

ABSTRACT

A screw feeder adapted for rapid changeover of screw types. The feeder has a collator section having a floor with slots to collate random screws into rows and an enclosure about the floor for retaining random screws on the floor. The screws are collated by tilting the floor in the slotted direction to raise and lower the upstream end relative to the downstream end and are fed downstream along the slots into slots in a dispensing section. The collator section enclosure has a gate closure at the upstream end of the floor and the slots on the floor extend completely to the upstream end so that, with the gate open and the collator section oscillated to tilt the slots downward toward the upstream end, the screws in the slots will slide to the upstream end and out of the enclosure.